

Detterman, Karel, Env. Health

From: Detterman, Karel, Env. Health
Sent: Thursday, December 21, 2017 7:22 PM
To: 'Darren Croteau'
Cc: 'Ben Garfinkle'
Subject: RE: 2407 San Jose Avenue, Alameda Site Cleanup Program Case RO0003253 and GeoTracker Global ID T10000010519, Auto Service Garage Building, 2407 San Jose Avenue, Alameda, CA 94501

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Darren:

This e-mail will serve as a written confirmation of our telephone discussion yesterday regarding your proposed sampling and analysis plan. In accordance with Alameda County Department of Environmental Health's (ACDEH's) December 6, 2017 Conditional Work Plan approval directive letter, ten soil borings, B-13 through B-22 will be drilled, soil samples will be obtained from depth intervals of 0 to 5 feet and 5 to 10 feet below ground surface (bgs), and grab groundwater samples will be obtained from all borings. All soil and grab groundwater samples collected from the seven step-out borings B-16 through B-22 will be placed on hold at the laboratory pending review of analytical data from B-13, B-14, and B-15 with the following exception: if impacts are observed in any of the seven step-out borings, all soil and grab groundwater samples for that boring will be analyzed by the laboratory. Upon receipt of the analytical data from B-13, B-14, and B-15, please forward the laboratory data sheets by e-mail to me for review and discussion. Please ensure laboratory holding times for all samples are not exceeded. All borings will be logged, noting lithologic changes, areas of obvious impact, such as staining, odor, Photoionization Detector (PID) readings, soil color changes.

If any areas of impact are noted in:

- B-13 "patched cutout" boring, all soil and groundwater samples collected from step-out borings B-16, B-21, and B-22 will be analyzed;
- B-15, all soil and groundwater samples collected from step-out boring B-17 will be analyzed;
- B-14, all soil and groundwater samples collected from step-out borings B-18, B-19, and B-20 will be analyzed.

Thank you,

Karel Detterman, PG
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PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

From: Darren Croteau [mailto:darren.croteau@terraphase.com]
Sent: Monday, December 18, 2017 5:25 PM
To: Detterman, Karel, Env. Health <Karel.Detterman@acgov.org>
Subject: 2407 San Jose Avenue, Alameda

Hello Karel,

Thank you for your phone call and message today. Regarding the analytical approach for the project, I'm not suggesting we drop any analyses from the required work plan, rather I'm suggesting that additional analyses be contingent on the results of B-13, B-14 and B-15. We will still advance borings B-16 through B-22 and collect soil and grab groundwater samples. The samples from B-16 through B-22 will be placed on hold at the laboratory and only be analyzed based on positive detections in the initial three borings (B-13, B-14, and B-15). Once the results from B-13, B-14, and B-15 are received, we will discuss them with you and determine if samples from the remaining seven borings require analysis. The rationale for this approach is that any presumed release at 2407 San Jose Avenue likely would have been from the hydraulic hoist or maintenance near the concrete cutout. If these activities resulted in a release, then we would expect the highest concentrations in these areas. In addition, field evidence collected during the Moore Twining investigation did not indicate a release in the vicinity of borings B-5 and B-6 (advanced adjacent to the hoist and concrete cutout). No odors were noted by Moore Twining in the vadose zone and PID readings were zero. Therefore, rather than incur analytical costs for samples from all 10 borings, we propose to review the results of the initial three potential source area borings first and make an informed decision if additional analytical data is warranted. This approach is displayed in this following table.

Boring ID	Soil and Groundwater Analyses		
	VOCs	TPHg/d/mo	SVOCs
B-13	X	X	X
B-14	X	X	X
B-15	X	X	X
B-16	Analyses for B-16 through B-22 contingent on results of B-13, B-14 and B-15		
B-17			
B-18			
B-19			
B-20			
B-21			
B-22			

In your message you also requested a revised boring location map. This is attached and B-18 will be advanced inside the building.

Please review this email and give me a call to discuss at your earliest convenience to discuss.

Thank you,

Darren Croteau, P.G.

Principal Geologist

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